

Interview Summary	Application No.	Applicant(s)	
	09/390,051	HEDRICK, GEOGGREY S.M.	
	Examiner	Art Unit	
	FRANCIS NGUYEN	2674	

All participants (applicant, applicant's representative, PTO personnel):

(1) FRANCIS NGUYEN. (3) _____.

(2) LANCE LIEBERMAN, Applicant's Representative. (4) _____.

Date of Interview: 16 January 2003.

Type: a) ☐ Telephonic b) ☐ Video Conference
c) ☒ Personal [copy given to: 1) ☐ applicant 2) ☒ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
If Yes, brief description: _____.

Claim(s) discussed: 6, 13, 19

Identification of prior art discussed: US Patent 5,453,939 (Hoffman et al)

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: _____.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☒ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Applicant's representative provided scope of invention and pointed out feature not taught by cited art Hoffman et al. (each of two independent graphics generators output display data to same location on display in different colors to create an image of third color different from the two colors. A fault in either graphics processor causes image at location to appear at a color different from the third color to indicate a fault. A formal afterfinal amendment will be sent in 1/16/03.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

[Signature]
Examiner's signature, if required

Draft of Amendment enclosed

--1. (Twice Amended) A flat panel display system for displaying data relating to aircraft system parameters from corresponding aircraft instruments to a flight crew in a cockpit of an aircraft, comprising:

a flat panel display for visually displaying the aircraft system parameters on simulated instruments found on the flat panel display and for displaying indicia that said data is being received related to the aircraft system parameters from corresponding aircraft instruments;

a first central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a first graphics generator operatively coupled to the first central processor for generating a first set of color data as a function of the data received by the first central processor and for outputting the first set of color data to a location on the flat panel display so that the flat panel display can form the simulated instruments and the indicia;

a second central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters; and

a second graphics generator operatively coupled to the second central processor for generating a second set of color data as a function of the data received by the second central processor and for outputting the second set of color data to said location on the flat panel display in a different color than said first set of color data so that the combination at said location of the first set of color data from the first graphics

generator and the second set of color data from the second graphics generator forms at said location on the flat panel display [can form with the output from the first graphics generator] the simulated instruments and the indicia such that [wherein] said indicia is of another color different from the colors of said first and second sets of color data,

wherein when either of the first and second [set] sets of color data is not output to said location on the flat panel display, the indicia on the flat panel display is in a color different from said another color.--

--13. (Twice Amended) A circuit for controlling a flat panel display that displays on simulated aircraft instruments data related to aircraft system parameters gathered from aircraft instruments and indicia that show that the data is being received by the flat panel display, comprising:

a first central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a first graphics generator operatively coupled to the first central processor for generating a first set of color data as a function of the data received by the first central processor and for outputting the first set of color data to a location on the flat panel display so that the flat panel display can form the simulated instruments and the indicia;

a second central processor for receiving said data from the aircraft instruments measuring said aircraft system parameters;

a second graphics generator operatively coupled to the second central processor for generating a second set of color data as a function of the data received by

the second central processor and for outputting the second set of color data to said location on the flat panel display in a different color than said first set of color data so that the combination at said location of the first set of color data from the first graphics generator and the second set of color data from the second graphics generator forms at said location on the flat panel display [can form with the output from the first graphics generator] the simulated instruments and the indicia such that [wherein] said indicia is of another color different from the colors of said first and second sets of color data,

wherein when either of the first and second [set] sets of color data is not output to said location on the flat panel display, the indicia on the flat panel display is in a color different from said another color; and

a third central processor for receiving data from aircraft instruments related to the aircraft systems parameters and for interrogating the aircraft systems with simulated flight data on a statistical basis to build a database of statistical measurements of the aircraft systems for maintenance and diagnostic purposes.--

--19. (Amended) A color flat panel display for displaying, to a crew in a cockpit in an aircraft, simulated aircraft flight instruments and aircraft system parameters related to data from aircraft instruments and indicia for indicating integrity of display data being received for display by the color flat panel display, comprising:

a display screen on which at least one of the simulated aircraft instruments and said aircraft system parameters are displayed in a first color and said indicia are normally displayed in a single, predetermined, unchanging second color different from said first color such that any color change from said second color in said indicia [from]

normally displayed in said second color as a result of a change in indicia data fed to the display screen visually indicates reduced operating integrity of the display data and thereby visually alerts the crew to a possible problem with the displayed aircraft system parameters.--